# Surface Drying and Over-Coating Time



### 生力高試驗中心有限公司 C/ASTCO TESTING CENTRE LIMITED

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### **Test Report**

### Paint - Bitamen-Pased - Drying and Over-Coating Times

(BS 3416 : 1991 Cl. 6 and Cr. B.2 of App. B, App. C (with modifications) and BS 3900 : Part C2 : 1994 Cr. 2 excluding 7.3 and BS 3900 : Part A3 : 1997 Cl. 3)

Date	of	issu	e :	05-11-2021	
Page	1	of	1	page(s	Ì

Castco LRN: 210929-2356-2

ustomer's Ref. No. : --

Contract No.: --

Information as supplied by customer: -	Works Order No. :
--	-------------------

Customer: Chang Hing Found y (HK) Limited

Address: 299 Pak Sha Truen, Kung Um Road, Yuen Long, N.T.

Job Title: --

Sample Description: Ditumen Based Coating

Brand Name: 青松牌 Manufac ure: 怡昌仁工

Type: 2 Class: C

Sample ID: PM02109-03

### Laboratory test result

Date of st imple received: 31-08-2021 Date of est started: 27-09-2021 Date of test completed: 30-09-2021

Sy ostrate: Steel panel with nominal dimension 150 x 100 nm (Long h x Width)

Solid content per entage: 37%

Determination of S rface Drying Time

requirement of dry filt thickness:  $37.5 \pm 5 \,\mu m$  Test conducen:  $23 \pm 2 \,^{\circ}C \,^{\circ}C \,^{\circ}C \,^{\circ}D \,^{\circ$ 

Specimen No.	HD-01
Surface Drying Time (≤ 8 hours)	Yes
Average Dry Film Thickness (μm)	98.2

Determination of Over-Coating Time

Requirement of dry film thick less:  $75 \pm 10$  juin

Test condition :  $23 \pm 2$  °C &  $50 \pm 5$  % in R.H.

Specimen No.	HD-01
Cissing, crawling, sinking, litting or winking	/ Anta
of coating during application	No
Cissing, crawling, sinking, lifting or wrakling	
of coating after 24 hours	1/10
Average Dry Film Thickness (µm)	76.1

#### Remarks:

1. Test results relate only to the specimen(s) tested.

Chec'ked by:

KWOK LENG HO
Assistant Technical Officer

Approved Signatory:

CSWIP3,2-103520 ASNT Level III-179557 Technical Manager

rm No. PA(BP -Bend BS3416) T dd 05/05/2021

End of Report

# **Protection Against Corrosion**



### 力高試驗中心有限公司 **ASTCO TESTING CENTRE LIMITED**

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Paint - Litumen-Based - Protection Against Corrosion

(BS 3416: 1501 Cl. 2 & App. B Cl. B4 (with modification) and

BS 3900: Part H2: 1983 and BS 3900: Yort G5: 1993 (Method 1 - procedure A) and ISO 4628-2: 2003 (E))

Date of issue: 05-11-2021 Page 1 of 1 page(s)

Castco LRN: 210929-2356-4

Information as supplied in customer: -

Works Order No.: --

Customer: Cheung Hing Foundry (HK) I imited

Customer J Ref. No.: --

Address: 299 Pak Sha Tsaen, Kung Um Roal, Yuen Long, N.T.

on act No. : --

Job Title: --

Sample Description . Bitume. Based Coating

Brand Name: 青松牌

Manufac ure: 怡旨仁工

Class : C

Type: 2

Sample ID: PM02109-03

Date of sample received: 31-08-2021

Laboratory test result

Date of 'est started: 27-09-2021

Date of test completed: 16-10-2021

Sv'sstrate: Steel panel with nominal dimension 150 x 100 nm (Length x W dth)

Condition of drying / geing:  $23 \pm 2$  °C &  $50 \pm 5$  % in R.H. for 72 hour

Solid content percentage: 37%

Pequipment of dr film thickness:  $75 \pm 10 \mu m$ 

Resistance to Tap Wreer Immersion

Immersion	period	14	days	

Specimen No.	7-5	A	В	С
Average Dry Film Thickness (μm)		77.1	78.2	75.9
Signs of Deteriorations		No	No	No
Degree of Blistering (BS 3900 : H2 : 1983)		2(S2)	2(S2)	2(S2)
Visible Rust		No	No	No
Visible Pitting		No	No	No

Resistance to Artificial Sea V/ater Immersion

Immersion period: 14 days

Specimen No.	D	E	F
Average Dry Film Thickness (µm)	77.6	76.1	77.4
Signs of Deteriorations	No	No	No
Degree of Blistering (BS 3900 : H2 : 1983)	2(S2)	2(S2)	2(S2)
Visible Rust	No	No	No
Visible Pitting	No	No	No

### Remarks:

1. Test results relate only to the specimen(s) tested.

Checked y:

KWOK KENG HO

Approved Signatory:

End of Report

KWOK YUK LAM CSWIP3.2-103520 ASNT Level III-179557 Technical Manager

PA(BB) on(BS3416) T dd 05/05/2021

## **Bend Resistance**



### 力高試驗中心有限公司 CASTCO TESTING CENTRE LIMITED

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Fax: 2597 3399



### Point - Pitumen-Based - Bend Resistance

(BS 3416: 1991 Ct. 2 and Cl B.5 of App. B, App. C (with modifications) and BS 3900 : Part A3 : 1997 Cl. 4 and BS 3900 : Part E1 : 1995 Cl. 6 excluding 0.2.2 & 6.3)

Date of issue: 05-11-2021 Page 1 of 1 page(s)

Castce LRN: 210929-2356-5

Information as supplied in customer: -

Works Order No.: --

Customer: Cheung Hing Foundry (HK) I imited

Customer Ref. No.: --

Address: 299 Pak Sha Ts. en, Lung Jm Roa I, Yuen Long, N.T.

o'aract No. : --

Job Title: --

Sample Description . Bitume Based Coating

Brand Name: 青松牌

Manufac ure : 怡旨生工

Class : B

Type: 2

Sample ID: PM02109-03

Tate of so nple received: 31-08-2021

Laboratory test result

Date of test started: 27-09-2021

Date of test completed: 05-10-2021

Substrate: Tinplate vith nominal dimension 100 < 50 x 0.3 mm. (Leigth & Vidth x Thickness)

Condition of drying / a, eing :  $23 \pm 2$  °C &  $50 \pm 5$  % in P. H. fc: 7 days

Soli content perce tag : 37%

Requirement of dry file thickness:  $75 \pm 10 \mu m$ 

Type or band test apparatus: Type 1 (Diameter of mandrel: 10 mm)

Test condition  $\cdot$  23  $\pm$  2 °C & 50  $\pm$  5 % in R.H.

Specimen No. **BD-01** Average Dry Film Thickness (µm) Results No observable change

Remarks:

1. Test results relate only to the specimen s) tested.

Checked by

End of Report

Approved Signatory:

KWOK YUK LAM

CSWIP3.2-103520 ASNT Level III-179557 Technical Manager

PA (BB)-Bend(BS34 6) T dd 05/05/2021

## Flash Point



### 走力高試驗中心有限公司 CASTCO TESTING CENTRE LIMITED

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### Test Report

### Paint Bitumen-Based - Flash Point

(BS 3416: 1991 Cl. 5 and Cl. P. 1 of App. B and BS 3900: Part A13: 1986 Cl. 7.2 (Mathod 2))

Date of issue: 05-11-2021 Page 1 of 1 page(s)

Castco L RN: 210929-2356-1

Information as supplied by c. stomer: -

Works Order No.: --

Customer: Cheung Hing Fo, ndry (FK) Limited

Customer's Ref. No.: --.

Address: 299 Pak Sha Tsu n, Kang Um Poad, Yuen Long, N.T.

Contract No.: --

Job Title: --

Sample Description: Brume a Based Coating

Brand Name: 青松辉

Manufacturer: 台昌任工

Class: C

Type: 2

Sample ID: PM02109-03

Laboratory test result

Date of sample received: 31-08-2021

Date of test started: 27-05 2071

Date of test completed : 28-09-2021

Instruction for ullage ( $\leq 10\%$  of the total capacity of the container): Yes

Test No.	(2) (2)	1 1	2
Selected equilibrium temperature (°C)	1	32 °C	
Atmos <sub>F</sub> beric pressure (mmHg)		760	760
Corrected equilibrium temperature (°C)	$\Omega/\Lambda$	32.0	32.0
Test results	(0)	No flash	No flash
Test results		No flash	

#### Remarks:

1. Test results relate only to the specimen s) tested.

Checked by:

KWOX KENG HO

Approved Signatory:

End of Report

KWOK YUK LAM

CSWIP3.2-103520 ASNT Level III-179557 Technical Manager

Form N . PA(' B)-Flash(BS341o, T dd 05/05/2021

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### Finish

# CASTCO

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### Paint - Bitumen-Based - Finish

(BS 3416: 1991 Cl. 7 and Cl. B.3 of App. E. App. C (with modifications) and BS 3900: Part A3: 1997 Cl. 3)

Works Order No.: --

Date of issue: 05-11-2021 Page 1 of 1 page(s)

Castco I RN: 210929-2356-3

### Information as supplied by customer: -

Customer: Cheung Hing Foundry (4K) Limited

Customer's Ref. No.: --

Address: 299 Pak Sha Tsuen, Kung Un. Road, Yuen Long, N.T.

Contract No.: --

Job Title: --

Type: 2

Sample Description: Bitamer Based Coair g

Brand Name: 青松潭

Manufacturer:

Class: C

Sample ID: PM02109-03

Laboratory test result

Date of sample received: 31-08-2021

Date of test started: 27-09-2021

Date of test completed: 05-10-2021

Substrate: Steel panel with nominal dimension 300 x 300 nm (Ler gtl x width)

Condition of drying ageing:  $23 \pm 2$  °C &  $50 \pm 5$  % in R.H. for days

Solid content percentage: 37%

Requirement of dry film thickness :  $75 \pm 10 \mu m$ 

Specimen No.		F-01
Average Dry Film Thickness (μm)	(7)	78.9
Smooth, opaque and free from sags or runs or surface imperfections	other	Yes

1. Test results relate only to the specimen(s) tested

Checked by:

KWOK KENG HO

Approved Signatory:

Ena of Report

**KWOK YUK LAM** CSWIP3.2-103520 ASNT Level III-179557 Technical Manager

P (BB)-Finish(BS3416) 7 dd 05/05/202

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